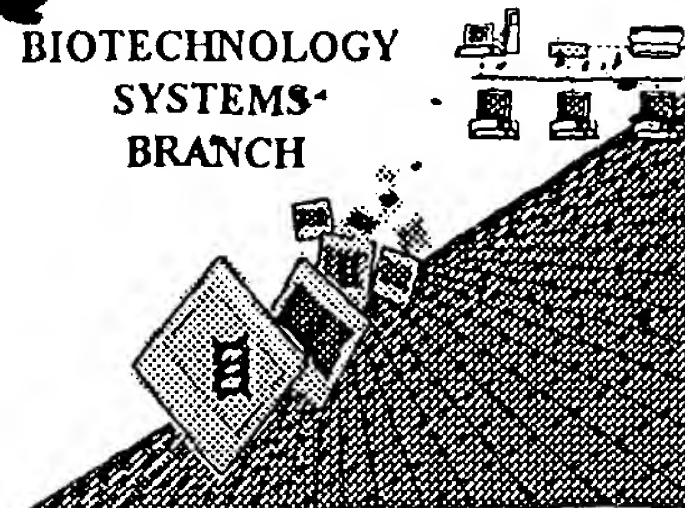


RAW SEQUENCE LISTING
ERROR REPORT

BIOTECHNOLOGY
SYSTEMS
BRANCH



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/904968

Source: DIPE

Date Processed by STIC: 10/16/01

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 - 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:

<http://www.uspto.gov/web/offices/pac/checker>

OIPE

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/904,968

DATE: 10/16/2001

TIME: 15:31:05

Input Set : A:\JHU1680-2.ST25.txt

Output Set: N:\CRF3\10162001\I904968.raw

2 <110> APPLICANT: THE JOHNS HOPKINS UNIVERSITY SCHOOL OF MEDICINE
 3 GERMINO, Gregory
 4 WATNICK, Terry
 5 PHAKDEEKITCHAROEN, Bunyong
 7 <120> TITLE OF INVENTION: DETECTION AND TREATMENT OF POLYCYSTIC KIDNEY DISEASE
 9 <130> FILE REFERENCE: JHU1680-2
 C--> 11 <140> CURRENT APPLICATION NUMBER: US/09/904,968
 C--> 11 <141> CURRENT FILING DATE: 2001-07-13
 11 <150> PRIOR APPLICATION NUMBER: US 60/283,691
 12 <151> PRIOR FILING DATE: 2001-07-13
 14 <150> PRIOR APPLICATION NUMBER: US 60/218,261
 15 <151> PRIOR FILING DATE: 2000-07-13
 17 <160> NUMBER OF SEQ ID NOS: 113
 19 <170> SOFTWARE: PatentIn version 3.0

*must include these fields
in the application data fields*

ERRORED SEQUENCES

3257 <210> SEQ ID NO: 52
 3258 <211> LENGTH: 20
 3259 <212> TYPE: DNA
 3260 <213> ORGANISM: Artificial sequence
 3262 <220> FEATURE:
 3263 <223> OTHER INFORMATION: Primer for PCR
 3265 <400> SEQUENCE: 52
 E--> 3266 aggtcaacgt gggcctccaa gtagt

Correction needed

*Unlikely to apply
Correction needed*

25

*Errored: Input 20
Found 25*

*Errored Field <211> sequence 52
indicates 20 nucleotides in the sequence.
There are actually 25 nucleotides found
in the sequence entry.*

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/904,968

DATE: 10/16/2001

TIME: 15:31:06

Input Set : A:\JHU1680-2.ST25.txt

Output Set: N:\CRF3\10162001\I904968.raw

L:11 M:270 C: Current Application Number differs, Replaced Current Application No
L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:2866 M:283 W: Missing Blank Line separator, <220> field identifier
L:3266 M:252 E: No. of Seq. differs, <211>LENGTH:Input:20 Found:25 SEQ:52